

DATE OF PREP: 1/26/88

IPL # 20045

SECTION I

MANUFACTURERS NAME:

SIKKENS AEROSPACE FINISHES

DIVISION OF AKZO COATINGS AMERICA INC.

STREET ADDRESS:

20846 S. NORMANDIE AVE.

TORRANCE, CA 90502

EMERGENCY TELEPHONE NO.:

(213) 320-6800

MANUFACTURERS CODE IDENTIFICATION:

X 304

TRADE NAME:

EPOXY CATALYST - COMPOSITE

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS:	C.A.S. NO.	* PCT *	* BY WT *	* TLV *	PPM	MG/M3 *	* PEL *	PPM	MG/M3 *	* VAPOR *
BUTYL ACETATE	123-86-4	*20-35*			150.00	710.00*	150.00	710.00*		8.0
ESTER SOLVENT		* *				*		*		
2-BUTOXYETHANOL	111-76-2	*10-25*	SKIN		25.00	120.00*	50.00	240.00*		.6
BUTYL CELLOSOLVE		* *				*		*		
N-BUTYL ALCOHOL	71-36-3	*20-35*	SKIN		50.00	150.00*	100.00	300.00*		4.4
N-BUTANOL		* *				*		*		
METHYL ETHYL KETONE	78-93-3	*20-35*			200.00	590.00*	200.00	590.00*		70.0
MEK		* *				*		*		
DIETHYLENE TRIAMINE	111-40-0	* 5-20*	SKIN		1.00	4.00*	—	—	*	22.0
TOLUENE	108-88-3	* <5*			100.00	375.00*	200.00	—	*	22.0
TOLUOL		* *				*		*		

SECTION III - PHYSICAL DATA

BOILING RANGE:

175 - 405 DEG. F

VAPOR DENSITY VS. AIR:

HEAVIER THAN AIR

EVAPORATION RATE VS. ETHER:

LOWER

PERCENT VOLATILE BY VOLUME:

83.7

WEIGHT PER GALLON:

7.31 LBS.

MATERIAL SAFETY DATA SHEET

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

HAZARD CATEGORY:

PAINT,
FLAMMABLE LIQUID, UN-1263

FLASH POINT:

23F TCC

LEL: 1.1

OSHA CLASSIFICATION:

FLAMMABLE LIQUID - CLASS IB

EXTINGUISHING MEDIA:

FOAM, CARBON DIOXIDE, DRY CHEMICALS

UNUSUAL FIRE AND EXPLOSION HAZARDS:

KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS,
AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.
APPLICATION TO HOT SURFACES REQUIRES SPECIAL PRECAUTIONS.

SPECIAL FIRE FIGHTING PROCEDURES:

WATER MAY BE INEFFECTIVE. WATER SHOULD BE USED TO COOL CONTAINERS EXPOSED TO
FIRE. FIRE FIGHTING PERSONNEL SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS.

SECTION V - REACTIVITY DATA

STABILITY:

STABLE

INCOMPATIBILITY (MATERIALS TO AVOID):

NONE REASONABLY FORESEEABLE.

HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON MONOXIDE, CARBON DIOXIDE, SMOKE, OXIDES OF NITROGEN.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR

CONDITIONS TO AVOID:

NOT APPLICABLE

SECTION VI - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: SEE SECTION II.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: MOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NECESSARY.
 SKIN CONTACT: WASH WITH SOAP & WATER.
 EYE CONTACT: FLUSH WITH WATER FOR AT LEAST 15 MINUTES, CONSULT A PHYSICIAN.
 INGESTION: DRINK ONE OR TWO GLASSES OF WATER TO DILUTE. DO NOT INDUCE VOMITING.
 CONSULT PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. TREAT SYMPTOMATICALLY.
 MEDICAL CONDITIONS PRONE TO AGGRAVATION: NONE EXPECTED

THE FOLLOWING HAZARDS HAVE BEEN REPORTED TO BE ASSOCIATED WITH THE INDIVIDUAL COMPONENTS OF THIS PRODUCT. THESE HAZARDS MAY NOT ALL BE ASSOCIATED WITH THE FINISHED PRODUCT.

ACUTE:

EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, POSSIBLE UNCONSCIOUSNESS, AND EVEN ASPHYXIATION.
 EYE CONTACT MAY CAUSE SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION, AND A SENSATION OF SEEING HALOS AROUND LIGHTS.
 PROLONGED CONTACT WITH THE SKIN MAY LEAD TO EXTRACTION OF NATURAL OILS WITH RESULTANT MILD IRRITATION.
 IF SWALLOWED, CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA.
 ASPIRATION OF MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.
 PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE DERMITITIS.
 EYE IRRITANT, CONTACT MAY CAUSE EYE BURNS OR CORNEAL INJURY.
 VAPORS MAY BE IRRITATING AND CAUSE COUGHING, HEADACHE, NAUSEA, AND VOMITING.
 MODERATELY TOXIC IF SWALLOWED. MAY CAUSE HEADACHE, NAUSEA, VOMITING, AND WEAKNESS.
 PENETRATES SKIN READILY. FREQUENT OR WIDESPREAD CONTACT MAY RESULT IN THE ABSORPTION OF POTENTIALLY HARMFUL AMOUNTS WITH POSSIBLE INJURY TO KIDNEYS, LIVER, BLOOD, AND/OR BONE MARROW.
 CAN BE ABSORBED THROUGH THE SKIN.
 SWALLOWING CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA.
 CORROSIVE TO THE EYES, CONTACT WITH EYES MAY CAUSE BLINDNESS.
 WARNING! MAY CAUSE SKIN SENSITIZATION OR OTHER ALLERGIC RESPONSES.
 CORROSIVE TO THE SKIN. CONTACT WITH SKIN WILL CAUSE BURNS, POSSIBLE DEEP ULCERATION.
 INGESTION MAY CAUSE GASTROINTESTINAL IRRITATION, VOMITING, AND DEPRESSION.
 SYMPTOMS OF INHALATION RANGE FROM IRRITATION OF RESPIRATORY TRACT AND MILD DEPRESSION CHARACTERIZED BY DIZZINESS, HEADACHES, OR NAUSEA TO CONVULSIONS AND LOSS OF CONSCIOUSNESS.

NOTICE: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

CHRONIC:

REPEATED OVEREXPOSURE MAY RESULT IN DAMAGE TO THE BLOOD.
 OVEREXPOSURE HAS BEEN SUGGESTED AS THE CAUSE FOR EYE DAMAGE IN HUMANS.
 HEALTH STUDIES HAVE SHOWN THAT MANY PETROLEUM HYDROCARBONS POSE POTENTIAL HUMAN HEALTH RISKS WHICH MAY VARY FROM PERSON TO PERSON. AS A PRECAUTION, EXPOSURE TO LIQUIDS AND VAPORS OF PETROLEUM PRODUCTS SHOULD BE MINIMIZED.
 OVEREXPOSURE TO MATERIAL HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN HUMANS: LIVER ABNORMALITIES.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

REFER TO PROTECTIVE MEASURES LISTED IN SECTIONS IV., V., VI., VIII. AND IX.
REMOVE ALL SOURCES OF IGNITION. AVOID BREATHING VAPORS. VENTILATE AREA. REMOVE
WITH INERT ABSORBENT.

WASTE DISPOSAL METHOD:

INCINERATE IN APPROVED FACILITY. DO NOT INCINERATE CLOSED CONTAINERS. DISPOSE OF
IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL POLLUTION CONTROL REQUIREMENTS.

SECTION VIII - SAFE HANDLING & USE INFORMATION

RESPIRATORY PROTECTION:

ADEQUATE VENTILATION IS REQUIRED. USE NIOSH/MSHA APPROVED RESPIRATOR DEVICE.
SEE YOUR SAFETY EQUIPMENT SUPPLIER FOR EVALUATION AND RECOMMENDATION.
IN CONFINED AREAS USE NIOSH/MSHA APPROVED AIRLINE RESPIRATOR OR HOOD.

VENTILATION:

PROVIDE SUFFICIENT VENTILATION TO KEEP VAPOR CONCENTRATION BELOW GIVEN TLV AND
LEL. FOR BAKING FINISHES, EXHAUST VAPORS EMITTED ON HEATING. REMOVE
DECOMPOSITION PRODUCTS FORMED DURING WELDING OR FLAME CUTTING OF SURFACES COATED
WITH THIS PRODUCT.

PROTECTIVE GLOVES:

REQUIRED FOR PROLONGED OR REPEATED CONTACT.

EYE PROTECTION:

USE SAFETY EYEWEAR DESIGNED TO PROTECT AGAINST SPLASH OF LIQUIDS.

OTHER PROTECTIVE EQUIPMENT:

EYE BATH AND SHOWER SHOULD BE AVAILABLE. USE CHEMICAL RESISTANT APRON, BOOTS OR
OTHER CLOTHING IF NEEDED TO AVOID REPEATED OR FREQUENT SKIN CONTACT. LIQUID MAY
PENETRATE SHOES AND LEATHER CAUSING DELAYED IRRITATION.

HYGIENIC PRACTICES:

WASH HANDS BEFORE EATING, SMOKING OR USING WASHROOM

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES. CLOSE CONTAINERS AFTER EACH USE.
CONSULT NFPA CODE FOR ADDITIONAL STORAGE REQUIREMENTS.

OTHER PRECAUTIONS:

DO NOT TAKE INTERNALLY. USE APPROVED BONDING AND GROUNDING PROCEDURES. OBSERVE
LABEL PRECAUTIONS.

APPROVED BY RAW MATERIAL & FORMULA INFORMATION DEPARTMENT

NAME: 

DATE: 9/01/87

FORMULA DATE 6/16/86

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